

Europass Curriculum Vitae



Personal information			
First name(s) / Surname(s)	CRETU (PETRUT) RUXANDRA MIHAELA		
Address(es)	No 7, Burebista Blv, L4/B, flat 22, 610035, Piatra Neamt, Neamt County, Romania		
Telephone(s)		Mobile:	0040-742-00 81 61
Fax(es)			
E-mail	ruxycretu@yahoo.com		
Nationality	Romanian		
Date of birth	02.10.1977		
Gender	feminine		
Desired employment / Occupational field	Scientific researcher, Biology, Biochemistry, Phytochemistry		
Work experience			
Dates	July 2015 - present		
Occupation or position held	Scientific researcher, biochemist;		
Main activities and responsibilities	Aromatic and medicinal plant research; phytobiology, phytochemistry; elaboration of project proposal in funding programmes; research reports; scientific papers; presentation materials; participation in national and international scientific meetings.		
Name and address of employer	National Institute of Research and Development for Biological Sciences/"Stejarul" Biological Research Centre, Alexandru cel Bun 6, 610004, Piatra Neamt, Neamt County, Romania tel/fax: 0040-233-210 809 Website: http://www.ccb-stejarul.ro		
Type of business or sector	Plant and experimental Biology Department - Development of byproducts using formulas in phytotherapy, cosmetics, food; - Phytochemical analysis of active principles; - Morpho-phytochemistry and genetic research; - Crops conventional crops of medicinal and aromatic plants.		
Dates	January 2002- August 2015		
Occupation or position held	Scientific Researcher (CS), Biologist/biochemist, laboratory chief		

Main activities and responsibilities	<ul style="list-style-type: none"> - Research activity of aromatic and medicinal plants, vegetables, fruits, cereals, algae, fungi and bee products; Qualitative and quantitative analyses; Microbiological control of intermediary and final products; Phytochemical studies of medicinal and aromatic plants; Extraction of active principles in medicinal and aromatic plants at laboratory, micropilot and pilot stage. - Extraction and conditioning studies; - Elaboration of experimental model for new method, technology, product; Document elaboration of functional model; Experimental model/laboratory technology design; Experimental model, laboratory technology, experimental variant- execution; - Testing of proposed model; Model functionality and availability- demonstration; Design and elaboration of technique and economic analysis document; Technical specification; Elaboration of product, technology and method- technical document; Product obtaining; Document elaboration for product authorization/reauthorization; Technological file elaboration for authorization and validation; Elaboration model for experimentation at pilot phase; Patent application; Elaboration of project proposal in funding programmes; Research reports; Scientific papers; Presentation materials; - Participation in national and international scientific meetings. - Management activity (project director, responsible from the project partner).
Name and address of employer	The Commercial Society for Medicinal Plant Research and Processing "PLANTAVOREL" S.A. No 46, Cuza-Voda Street, 610019, Piatra-Neamt, Neamt County, Romania Tel./fax 0040- 233- 210 308 E-mail: plv@plantavorel.ro Website : http://www.plantavorel.ro
Type of business or sector	Aromatic and medicinal plants research Processing of aromatic and medicinal plants, vegetables, fruits, cereals and bee products Production of herbal medicines, food supplements, cosmetic and balneary products.
Dates	September 2013-august 2014
Occupation or position held	Lecturer – biochemistry, embriology and genetics
Main activities and responsibilities	Teaching activity
Name and address of employer	Health Post – High School Health, Piatra Neamt 19 Alexandru cel Bun Street, 610004, Piatra Neamt, Neamt Tel/fax: 0233-230182; www.spsnt.ro ; e-mail: secretariat_pss@yahoo.com .
Type of business or sector	Education
Dates	September 2012-august 2013
Occupation or position held	Lecturer – biochemistry, embriology and genetics, chemistry of organic compounds with action on central nervous system, chemistry of anorganic compounds with pharmaceutical action.
Main activities and responsibilities	Teaching activity
Name and address of employer	Health Post – High School Health, Piatra Neamt 19 Alexandru cel Bun Street, 610004, Piatra Neamt, Neamt Tel/fax: 0233-230182; www.spsnt.ro ; e-mail: secretariat_pss@yahoo.com .
Type of business or sector	Education
Dates	October 2000 – January 2002
Occupation or position held	Biology teacher
Main activities and responsibilities	Teaching activity-biology Participation at scholastic competitions
Name and address of employer	Technical College "Gheorghe Cartianu" No 165, Traian Blv., Neamt County, Romania Tel./fax: 0040- 233- 222 800 E-mail: CTCartianu@bluebottle.com Website: http://gscartianuhome.ro
Type of business or sector	Education
Dates	August 2000- October 2000
Occupation or position held	Chemist
Main activities and responsibilities	Research and production of aqueous dyes

Name and address of employer	The Commercial Society "KÖBER" S.A. No 2 Uzinei Street, Dumbrava Rosie, Neamt County, Romania Tel.: 0040- 233- 281 021 Fax.: 0040- 233- 281 222 E-mail: office.savinesti@kober.ro Website: http://www.kober.ro
Type of business or sector	Coating products (putties, primers, paints, enamels, lacquers, thinners) and synthetic resins
Education and training	
Dates	October 2007-February 2008
Title of qualification awarded	Graduation Certificate no 1511/28.02.2008; Europass Linguistic Passport no 99/27.02.2008
Principal subjects/occupational skills covered	English general knowledge, level 2, grade B, according to Common European Framework of Reference for Languages
Name and type of organisation providing education and training	Romanian Business School of Commerce Chambers and Industry, Subsidiary of Neamt, with Research and Education Ministry notifications no 268/1992, 5146/2000 and 70148/2004.
Level in national or international classification	-
Dates	March 2005
Title of qualification awarded	
Principal subjects/occupational skills covered	Project management
Name and type of organisation providing education and training	Managerial Agency of Scientific Research, Innovation and Technology Transfer (AMCSIT)- Polytechnic University of Bucharest, Romania
Level in national or international classification	-
Dates	November 2003-June 2012
Title of qualification awarded	PhD, Doctor in Biology; Diploma series H no. 0018140; Ministerial Order no. 6149/07.11.2012 based on CNATDCU resolution, met on 22.10.2012.
Principal subjects/occupational skills covered	General genetics/ Molecular genetics/ Biochemistry
Name and type of organisation providing education and training	"Al. I. Cuza" University of Iassy, Romania Faculty of Biology Doctoral School- Biology
Level in national or international classification	ISCED6
Dates	October 2001- June 2003
Title of qualification awarded	Master degree; Graduation Diploma series C no. 0017977
Principal subjects/occupational skills covered	Gene expression control; Biochemistry of informational molecules; Nucleic acids research methods; Molecular mechanisms of cell signalling; Biotechnologies in medicine and industry; Transgenic organisms; Biologic systems modelling; Technology of recombinant DNA; Molecular alterations involved in genomic instability; Human molecular genetics and genetic therapies; Molecular biology of cell cycle; Genes evolution.
Name and type of organisation providing education and training	"Al. I. Cuza" University of Iassy, Romania Faculty of Biology, Master- Molecular genetics
Level in national or international classification	ISCED5
Period	October 1996-June 2000
Title of qualification awarded	Biolog; Graduation Diploma series S no. 0047583
Principal subjects/occupational skills covered	Inorganic chemistry/biochemistry; Analytical chemistry; Organic chemistry; Vegetal biology; Cellular biology; Physical and colloidal chemistry; Programming and modelling; Biophysics; Sugars and lipids metabolism; Structure of proteins and nucleic acids; Vitamins and hormones; Plant physiology; Molecular genetics; Instrumental analysis in biomedicine; Micro-organisms genetics; Aminoacids, proteins and nucleic acids metabolism; Clinical biochemistry; Genetic manipulation; Biochemical toxicology; Haematology; Research biochemical methods.

Name and type of organisation providing education and training	"Al. I. Cuza" University of Iassy, Romania Faculty of Biology Biochemistry									
Level in national or international classification	ISCED5									
Period	September 1992-June 1996									
Title of qualification awarded	Baccalaureate degree; Graduation Diploma series P no. 110896									
Principal subjects/occupational skills covered	Chemistry, biology, physics									
Name and type of organisation providing education and training	"Petru Rares" high school, Piatra Neamt, Romania Specialization: Chemistry-biology									
Level in national or international classification	ISCED 3									
Personal skills and competences										
Mother tongue(s)	Romanian									
Other language(s)										
Self-assessment	Understanding				Speaking				Writing	
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production			
English	C1	Proficient user	C2	Proficient user	B1	Independent user	B2	Independent user	B2	Independent user
French	A2	Basic user	B1	Independent user	A2	Basic user	A2	Basic user	A2	Basic user
	(*) Common European Framework of Reference for Languages									
Social skills and competences	Communication; Teamwork; Seriousness; Correctness									
Organisational skills and competences	Coordination, strategies and procedures regarding project management and teamwork in research projects.									
Technical skills and competences	Phytochemical studies on some botanical, fungus and algae species; Extraction of the main active principles classes (polyphenols, polyphenolcarboxylic acids, aminoacids, carbohydrates, hypericins etc.); Qualitative and quantitative analyses of active principles in aromatic and medicinal plants, algae and fungi (aminoacids, polysaccharides, polyphenolcarboxylic acids, flavonoids, isoflavonoids, tannins, chlorophylls); UV/VIS spectrophotometry; TLC; Investigation of antioxidant activity of some vegetal products (DPPH); Microbiological control of plants and final products; Phyto-biological testing of some vegetal extracts on <i>Triticum aestivum</i> L., <i>Drophia</i> variety; Phyto-biological testing of singular treatments with gamma radiations and of gamma radiations and flavonoid compounds - combined treatments on <i>Triticum aestivum</i> L., <i>Drophia</i> variety Biochemical investigations (enzyme activity, proteins and chlorophylls); Extraction techniques in the solid-liquid system; Studies regarding obtaining of some standardized extracts; Obtaining of some products (tablets, tinctures) from botanicals, fungi, algae, bee products, fruits and vegetables; Studies on conditioning techniques: direct compression technique, encapsulation.									
Computer skills and competences	Office (Word, Excel, PowerPoint, CorelDraw, Publisher, Adobe) Internet Navigation									
Other specialization and qualification	<u>Continue training course</u> : "Quality Assurance Management in pre-university education by the implementation of the specific quality standards", organized by the County School Inspectorate and the Teachers House of Neamt County, 17.05-01.06.2013; certificate no. 985 from 12/06/2013. <u>Training course on acquiring of fundamental concepts of hygiene, for the Curs de instruire privind insusirea notiunilor fundamentale de igiena</u> , M1N1 module, organized by the Teachers House under the Ministry of Health no 31313/2012 and the Ministry of Education, Research, Youth and Sport no. 41187/2012; Graduation certificate issued in accordance with the Order of the Ministry of Education, Research, Youth and Sport no. 1.225 / 5.031 / 200, Serial No. INSP. 0342878 from 08/05/2013.									
Artistic skills and competences	-									

Other skills and competences	-
Driving licence	-
Additional information	<p>THE TEVA AWARDS – PHYTOCHEMICAL IN MEDICINE AND PHARMACOGNOSY, 27-30 APRIL 2014, PIATRA-NEAMT, ROMANIA, for:</p> <ul style="list-style-type: none"> - POSTER 42 - <i>Extraction of anthraquinone compounds of Rhamnus frangula L. (fam. Rhamnaceae) – preliminary study for their utilization as anti-pathogenic agents</i>, Book of Abstracts of Phytochemical Society of Europe Meeting, Phytochemicals in Medicine and Pharmacognosy, p. 85. <p>Member of scientific and professional associations: Association for the Medicinal & Aromatic Plants of Southeast European Countries (AMAPSEEC)</p> <p>Experience in national programs/projects: 26 - Project Manager: 2 projects; Project scientific responsible for partner: 3 projects; Researcher/specialist: 21 projects.</p> <p>Experience in international programs/projects: 1 (researcher)</p> <p>Scientific publications: 59 - Papers published in International Journals ISI indexed with Impact Factor:1 - Abstracts published in International Journals ISI indexed with Impact Factor:1 - Papers published <i>in extenso</i> in national reviews BDI indexed: 16; - Papers published <i>in extenso</i>: in proceedings of some national/international scientific meetings without citation: 16; - Papers published in book of abstracts of some national/international scientific meetings: 25.</p> <p>National patent applications: 2.</p>
Annexes	<p>CV Attachments:</p> <ol style="list-style-type: none"> 1. List of scientific publications 2. Experience in national and international programs/projects 3. List of national patent applications

Date:

CS Dr. CRETU (PETRUT) Ruxandra - Mihaela

ANNEX 1
CS Dr. CRETU RUXANDRA MIHAELA
List of publications

Title of doctoral thesis:

“CYTOGENETIC AND BIOCHEMICAL EFFECTS INDUCED BY THE TREATMENT WITH PHYTOPREPARATIONS BASED ON FLAVONOID COMPOUNDS IN *TRITICUM AESTIVUM* L.” - Scientific leader: Prof.dr. BARA I ION./GHEORGHITA GOGU, University “Al. I. CUZA” of Iasi, Faculty of Biology; sustained in 2012, 8th of June.

Papers published in International ISI Journals with Impact Factor:1

1. **TEBRENCU CARMEN E., CRETU RUXANDRA M., MITROI GABRIELA R., IACOB ELENA, IONESCU ELENA. 2015.** Phytochemical evaluation and HPTLC investigation of bark and extracts of *Rhamnus Frangula* Linn. *Phytochemistry Reviews*. DOI 10.1007/s11101-015-9410-8. Online first: <http://www.springer.com/my+springer?SGWID=0-1716000-2004-653405-0>. Online ISSN 1572-980X. Print ISSN 1568-7767. Vol 14(4): 613-621. IF 2014: 2,407.
<http://link.springer.com/article/10.1007/s11101-015-9410-8>

Abstracts included in International ISI Journals/Supplements of ISI Journals with Impact Factor: 1

1. **CRETU RUXANDRA, MITROI RODICA GABRIELA, IACOB ELENA, IONESCU ELENA. 2010.** *Development and validation of a HPTLC densitometric method for the assay of rutin in *Viola tricoloris* herba*. Abstract Book of 6th Conference on medicinal and Aromatic Plants of Southeast European Countries”, 2010, April 18-22, Antalya, Turkey, edited in *Pharmacognosy Magazine*, April-June, volume 6, issue 22 (Suppl); Medknow Publications and Media Pvt.Ltd., Mumbai, India.; ISSN: 0973-1296, included in CAB Abstracts, Chemical Abstracts, CSA Databases, DOAJ, EBSCO Publishing's Electronic Databases, Excerpta Medica/EMBASE, Google Scholar, Hinari, Index COPERNICUS, Indian Science Abstracts, Journal Citation Reports, OpenJGate, Science Citation Index Expanded, Ulrich's International Directory, Web of science, S160.
<http://www.bg.ump.edu.pl/czasopisma/isi/?lang=eng<=P>
<http://jml.indexcopernicus.com/karta.php?action=masterlist&id=1353>

Papers published in National Journals B+ (BDI indexed):15

1. **CRETU RUXANDRA, OPRICĂ LĂCRĂMIOARA, VOCHIȚA GABRIELA, TRUȚĂ ELENA, BĂRA IULIANA C., GHIORGHITĂ G. 2012.** The effect of *Trifolii rubri flos* (red clover flowers) hydroalcoholic extract on some biochemical parameters in *Triticum aestivum* L. plants. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, XIII (1): 63-68.

http://www.bio.uaic.ro/publicatii/anale_biochimie/analeGBM.html

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

2. **CRETU RUXANDRA, BARA IULIA CSILLA, MACAVEI ANTONELA, GHIORGHITA G., MIHAILESCU ROXANA, MITROI GABRIELA. 2011.** Some effects induced by the hydroalcoholic extract of *Trifolii rubri flos* (red clover flowers) on *Triticum aestivum* L. plants. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, XII (4):117-124.

http://www.bio.uaic.ro/publicatii/anale_biochimie/analeGBM.html

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

3. **CRETU RUXANDRA, MACAVEI ANTONELA, BARA IULIA CSILLA, GHIORGHITA G., VERDES RAMONA, IACOB ELENA, IONESCU ELENA. 2011.** Physiological effects induced by the hydroalcoholic extract of *Viola tricoloris herba* (wild pansy aerial parts) on *Triticum aestivum* L. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, XII (4):125-132.

http://www.bio.uaic.ro/publicatii/anale_biochimie/analeGBM.html

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

4. **CRETU RUXANDRA, MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, VERDES RAMONA, CARMEN TEBRENCU. 2011.** Phytochemical investigation of *Crataegi folium cum flos* (hawthorn leaves and flowers) and *Hyperici herba* (St John's wort aerial parts) hydroalcoholic extracts. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, XII (4):133-138.

http://www.bio.uaic.ro/publicatii/anale_biochimie/analeGBM.html

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

5. **CRETU RUXANDRA, GILLE ELVIRA, DANILA DOINA, FLORIA FLORIN. 2009.** Effects induced by singular and combined treatments with gamma radiation and flavonoid compounds on *Triticum aestivum* L. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, X (4):55-62.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2009/4/TX_F4_09.pdf

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

6. **GHERGHEL DANIELA, ROTINBERG P., MIHAI C., TRUTA ELENA, CAPRARU GABRIELA, CRETU RUXANDRA, NEACSU I., ROTINBERG HELLEN. 2009.** The haematological and biochemical profile of the tumor-bearing rats submitted to the cytostatic treatment with some polyphenolic or polysaccharidic biopreparations. *Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology*, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, X (1): 73-80.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2009/1/13_DGherghel_etall.pdf

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

7. **MIHAI C., ROTINBERG P., GHERGHEL DANIELA, TRUTA ELENA, CAPRARU GABRIELA, CRETU RUXANDRA, NEACSU I., ROTINBERG HELLEN. 2008.** Reproducibility and dose dependency of the antitumoral pharmacodynamic effect of some autochthonous polysaccharidic or

polyphenolic biopreparations of fungal and vegetal origin. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, IX (4): 75-84.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2008/4/11_CMihai_etall.pdf

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

8. ROTINBERG P., MIHAI C., GHERGHEL DANIELA, TRUTA ELENA, CAPRARU GABRIELA, CRETU RUXANDRA, NEACSU I., ROTINBERG HELLEN. 2008. Cell proliferation and viability of HeLa and HEP-2P neoplastic cultures in vitro treated with new polyphenolic or polysaccharidic biopreparations of vegetable and fungal origin. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, IX (4): 85-92.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2008/4/12_Protinberg_etall.pdf

<http://scientific.thomsonreuters.com/cgi-bin/jrnlist/jlresults.cgi?PC=MASTER&ISSN=1582-3571>

9. CRETU RUXANDRA, MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, IONESCU ELENA. 2007. Cercetari privind obtinerea unor produse fitoterapeutice cu actiune antioxidanta din partea lemnoasa de *Vitis vinifera* L., *Rosa canina* L., si *Hippophae rhamnoides* L. Nota 3. Obtinerea si caracterizarea unui extract complex cu actiune antioxidanta. Rev. Med. Chir. Soc. Med. Nat. Iasi, ISSN: 0048-7848, included in INDEX MEDICUS and MEDLINE, no. 2 (suppl.), vol. 111: 233-236.

[http://www.ncbi.nlm.nih.gov/sites/entrez?db=nlmcatalog&cmd=DetailsSearch&term=0048-](http://www.ncbi.nlm.nih.gov/sites/entrez?db=nlmcatalog&cmd=DetailsSearch&term=0048-7848+AND(ncbijournal%5BALL+Fields%5D)&save_search=true)

[7848+AND\(ncbijournal%5BALL+Fields%5D\)&save_search=true](http://www.ncbi.nlm.nih.gov/sites/entrez?db=nlmcatalog&cmd=DetailsSearch&term=0048-7848+AND(ncbijournal%5BALL+Fields%5D)&save_search=true)

10. BARA CSILLA, IULIANA, CRETU RUXANDRA. 2006. Biochemical effects induced by UV treatment on 5 Romanian *Phaseolus vulgaris* L. cultivars, grown in field. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. Corson Press of Iasi, VII: 145-150.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2006/2006_GBM_24_Cbara.pdf

11. CRETU RUXANDRA, GILLE ELVIRA, DANILA DOINA, FLORIA F., MIHAILESCU ROXANA. 2006. Phyto-biological testing of some flavonoid compounds of vegetal origin; Note 3. Phyto-biological testing of some flavonoid compounds-based products. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. Corson Press of Iasi, VII: 165-170.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2006/2006_GBM_27_Rcretu.pdf

12. CRETU RUXANDRA, DANILA DOINA, GILE ELVIRA, FLORIA F. 2006. Phyto-biological testing of some flavonoid compounds of vegetal origin. Note1. Phyto-biological testing of rutoside and quercetol. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. Corson Press of Iasi, VII: 171-174.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2006/2006_GBM_28_Rcretu.pdf

13. CRETU RUXANDRA, DANILA DOINA, GILLE ELVIRA, FLORIA F., MIHAILESCU ROXANA. 2006. Phyto-biological testing of some flavonoid compounds of vegetal origin. Note2. Phyto-biological testing of vegetal extracts from *Medicago herba*, *Glycine semen* and *Trifolii rubri flos*. Annals of the „Alexandru Ioan Cuza” University of Iasi (New Series), Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. Corson Press of Iasi, VII: 175-180.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2006/2006_GBM_29_Rcretu.pdf

14. PETRUT RUXANDRA, BARA I.I. 2004. Telomeres. Telomase. Annals of the „Alexandru Ioan Cuza” University of Iasi, Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, V: 97-102.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2004/2004_GBM_21_Rpetrut.pdf

15. PETRUT RUXANDRA, MIHAILESCU ROXANA, SURUGIU IULIA-CSILLA. 2003. Isoflavone phytoestrogens. Annals of the „Alexandru Ioan Cuza” University of Iasi, Sect. II a. Genetics and Molecular Biology, ISSN: 1582-3571. „Alexandru Ioan Cuza” University of Iasi Press, IV: 140-148.

http://www.bio.uaic.ro/publicatii/anale_biochimie/data/archive/papers/2003/2003_GBM_25_Rpetrut.pdf

Abstract published in National Journals B+ (BDI indexed):1

1. PRICOP M., PRICOP MARIANA, BARA IULIANA, PETRUT RUXANDRA. 2005. Studiul calitatii pastailor la unele linii provenite din solul de fasole „Galbena de Moldova”. Scientific Papers Journal Agronomy Series, “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iasi, ISSN: 1454-7414, vol. 48 (suppl.).

http://www.revagrois.ro/index.php?lang=ro&pagina=pagini/revista_2005s.html

Papers published in proceedings of some national scientific meetings with ISBN and ISSN: 14

1. CRETU RUXANDRA, MIHAILESCU ROXANA, VERDES RAMONA, MITROI GABRIELA, IACOB ELENA, CHIRIAC MARIA, MIERLICI IONELA. 2011. The qualitative and quantitative characterization of *Trifolii rubri flos* and *Violae tricoloris herba* hydro-alcoholic extracts. The National Symposium „Medicinal Plants – present and perspectives”, the XIth Edition, and the Annual Scientific Session of INCDSB, 8-10 June 2011, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol. IX, no. 1-4: 77-78.

2. MIERLICI IONELA, GHIORGHITA G., CRETU RUXANDRA, ANTOHE N., MACAVEI ANTONELA. 2011. Some cytogenetic effects induced by ethyl-methane-sulphonate and an antioxidant extract on *Hordeum vulgare* L. species. The National Symposium „Medicinal Plants – present and perspectives”, The XIth Edition, and the Annual Scientific Session of INCDSB, 8-10 June 2011, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol. IX, no. 1-4: 83-84.

3. MIHAILESCU ROXANA, GIURESCU CATRINEL, CRETU RUXANDRA, VERDES RAMONA, ANTOHE N., MACAVEI ANTONELA, IONESCU VLAD. 2011. Bitter-tonic digestive, food supplement with bitter, appetizer, stimulant and antioxidative properties. The National Symposium „Medicinal Plants – present and perspectives”, The XIth Edition, and the Annual Scientific Session of INCDSB, 8-10 June 2011, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol. IX, no. 1-4: 81-82.

4. ANTOHE N., IONESCU ELENA, IONESCU V., MIHAILESCU ROXANA, CRETU RUXANDRA, MITROI GABRIELA, CHIRIAC MARIA, CORDUNEANU DUMITRU. 2007. Identification of some toxic components from wormwood and thyme extract by IR spectrophotometrical and HPTLC methods. The Xth Edition of the National Symposium “Medicinal plants – present and perspectives”, 6-8 June 2007, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol V, no. 1-2: 156-157.

5. **CRETU RUXANDRA, MIHAILESCU ROXANA, GILLE ELVIRA, MITROI GABRIELA, IACOB ELENA. 2007.** Biochemical effects induced by some flavonoid compounds of vegetal origin. Note1. Testing of *Trifolii rubri flos* extract. The Xth Edition of the National Symposium "Medicinal plants – present and perspectives", 6-8 June 2007, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol V, no. 1-2: 31-32.
6. **CRETU RUXANDRA, MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, IONESCU ELENA. 2007.** Researches to obtain some phytotherapeutical products with antioxidant activity from *Vitis viniferae lignum cum cortex*, *Rosae canina lignum cum cortex* and *Hippophae lignum cum cortex*. Note2. The quantitative and qualitative analysis of vegetal extracts. The Xth Edition of the National Symposium "Medicinal plants – present and perspectives", 6-8 June 2007, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol V, no. 1-2: 33-34.
7. **MIHAI C., ROTINBERG P., TRUTA ELENA, CRETU RUXANDRA. 2007.** In vivo preliminary screening of the antitumoral pharmacodynamic effect of the in vitro bioactive polyphenolic or polysaccharidic extracts. The Xth Edition of the National Symposium "Medicinal plants – present and perspectives", 6-8 June 2007, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol V, no. 1-2: 76-77.
8. **ROTINBERG P., MIHAI C., TRUTA ELENA, CRETU RUXANDRA. 2007.** In vitro identification of some new potential cytostatics vegetable and fungic extracts of polyphenolic and polysaccharidic nature. The Xth Edition of the National Symposium "Medicinal plants – present and perspectives", 6-8 June 2007, Piatra-Neamt. Romanian Biological Sciences ISSN 1584-0158, vol V, no. 1-2: 103-104.
9. **CRETU RUXANDRA, MIHAILESCU ROXANA, GILLE ELVIRA PERTA LACRAMIOARA, CHIRIAC MARIA. 2006.** Researches to obtain some phytotherapeutical products from flavonoidic compounds to treat menopausal osteoporosis. Note2. Studies regarding flavonoids extraction. Proceedings of the 4th Conference on Medicinal and Aromatic Plants of South- East European Countries, 28-31 May, Iasi, Romania. Alma Mater Publishing House, ISBN: 973-8392-16-90, CD: 391- 395.
10. **CRETU RUXANDRA, PERTA LACRAMIOARA, MIHAILESCU ROXANA, GILLE ELVIRA, IONESCU ELENA, MITROI GABRIELA. 2006.** Researches to obtain some phytotherapeutical products from flavonoidic compounds to treat menopausal osteoporosis. Note3. Flavonoid - phytomedicines to treat menopausal osteoporosis. Proceedings of the 4th Conference on Medicinal and Aromatic Plants of South- East European Countries, 28-31 May, Iasi, Romania. Alma Mater Publishing House, ISBN: 973-8392-16-90, CD: 396- 399.
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12. **PETRUT RUXANDRA, MIHAILESCU ROXANA, GRIGORAS NADIA, MITROI GABRIELA, IACOB ELENA. 2005.** Cercetari privind variatia continutului in nutrienti biodisponibili la *Glycine max* (soia) cultivata cu diferiti fertilizatori vegetali. "Lucrarile celui de al X-lea Simpozion de Microbiologie si Biotehnologie", 15-16 October, Iasi, 2004. Corson Press of Iasi, ISBN 973-8225-29-9, p. 211-215.
13. **MIHAILESCU ROXANA, PETRUT RUXANDRA, CHIRIAC MARIA, GRIGORAS NADIA, MITROI GABRIELA, TUDORACHE ANTONELA. 2003.** The quality control of *Spirulina* products. Proceedings of the 8th National Symposium "Plante medicinale – prezent si perspective", 28-29 August, Piatra- Neamt. Alma Mater Press, University of Bacau, ISBN: 973-8392-49-7, p. 109-111.
14. **VOROTNEAC MARIA, CRISTINA, VISAN TATIANA, MIHAILESCU, ROXANA, PETRUT RUXANDRA, CHIRIAC MARIA, MITROI GABRIELA, TUDORACHE ANTONELA. 2003.** *Spirulina*- utilization and applications in nutritional and cosmetic products. Proceedings of the 8th National Symposium "Plante medicinale – prezent si perspective", 28-29 August, Piatra- Neamt. Alma Mater Press, University of Bacau, ISBN: 973-8392-49-7, p. 131-132.

Papers published in books of abstracts of some international scientific meetings with ISBN and ISSN: 16

1. **CRETU M. RUXANDRA, IONESCU ELENA, MITROI GABRIELA, IACOB ELENA, TEBRENCU E. CARMEN, GAREA A. SORINA. 2014.** *Resveratrol identification in some vegetal sources*. Book of Abstracts of 8th Conference on Medicinal and Aromatic Plants of South East European Countries, 19-22 May, 2014, Durres, Albania. Published by Academy of Sciences of Albania, Agricultural University of Tirana & Association for Medicinal and Aromatic Plants, ISBN: 978-99956-10-64-7, p. 162. Poster presentation.
2. **IONESCU ELENA, CRETU M. RUXANDRA, TEBRENCU E. CARMEN, MITROI GABRIELA, IACOB ELENA, GIURESCU F. CATRINEL, SARBU A. 2014.** *Comparative Study for the Obtaining of Some Extracts Enriched in Hypericin From St. John's Wort*. Book of Abstracts of 8th Conference on Medicinal and Aromatic Plants of South East European Countries, 19-22 May, 2014, Durres, Albania. Published by Academy of Sciences of Albania, Agricultural University of Tirana & Association for Medicinal and Aromatic Plants, ISBN: 978-99956-10-64-7, p. 161. Poster presentation.
3. **TEBRENCU E. CARMEN, CRETU M. RUXANDRA, IONESCU ELENA, GIURESCU F. CATRINEL, GILLE ELVIRA. 2014.** *Phytochemical Study of Mellilotus officinalis L. Extracts To Be Used As Plant Crops Anti-Pathogenic Agents*. Book of Abstracts of 8th Conference on Medicinal and Aromatic Plants of South East European Countries, 19-22 May, 2014, Durres, Albania. Published by Academy of Sciences of Albania, Agricultural University of Tirana & Association for Medicinal and Aromatic Plants, ISBN: 978-99956-10-64-7, p. 224. Poster presentation.
4. **TEBRENCU Carmen E., CRETU Ruxandra, MITROI Gabriela, IACOB Elena, IONESCU Elena. 2014.** Development of HPTLC method for determination of emodin in *Rhamnus frangula bark*. Book of abstracts. International conference of applied sciences, chemistry and chemical engineering CISA 2014, Eighth edition, "Vasile Alecsandri" University of Bacau, Romania, Faculty of Engineering, Center of Research Food, Chemical and Biochemical Engineering, May 07th – 09th Bacau, Romania. Alma Mater, Bacau, ISSN: 2066-7817, p. 29.
<http://cisa.ub.ro>
5. **TEBRENCU E. CARMEN, CRETU M. RUXANDRA, NECULA R., GRIGORAS V., IONESCU ELENA. 2014.** *Evaluation of Urtica Dioica L. Extracts To Be Used As Antimicrobial and Antifungal Agents*. Book of Abstracts of 8th Conference on Medicinal and Aromatic Plants of South East European Countries, 19-22 May, 2014, Durres, Albania. Published by Academy of Sciences of Albania, Agricultural University of Tirana & Association for Medicinal and Aromatic Plants, ISBN: 978-99956-10-64-7, p. 225. Poster presentation.
6. **TEBRENCU E. CARMEN, GILLE ELVIRA, GAVRIL GEORGIANA, CRETU M. RUXANDRA, GIURESCU F. CATRINEL, IONESCU ELENA. 2014.** *Vegetal Extracts To Be Used As Treatment In The Phytopathology of Medicinal and Aromatic Plants*. Book of Abstracts of 8th Conference on Medicinal and Aromatic Plants of South East European Countries, 19-22 May, 2014, Durres, Albania. Published by Academy of Sciences of Albania, Agricultural University of Tirana & Association for Medicinal and Aromatic Plants, ISBN: 978-99956-10-64-7, p. 306. Poster presentation.
7. **TEBRENCU CARMEN, CRETU RUXANDRA, MITROI GABRIELA, IACOB ELENA, IONESCU ELENA. 2014.** *Extraction of anthraquinone compounds of Rhamnus frangula L. (fam. Rhamnaceae) – preliminary study for their utilization as anti-pathogenic agents*. Book of Abstracts of

Phytochemical Society of Europe Meeting, Phytochemicals in Medicine and Pharmacognosy, 27-30 April 2014, Piatra-Neamt, Romania, ISBN: 13978-0-9565472-4-8, p. 85. Poster presentation.

8. TEBRENCU Carmen E., GILLE Elvira, CRETU Ruxandra, MITROI Gabriela, IACOB Elena, IONESCU Elena. 2014. Extraction of coumarin compounds from *Mellilotus officinalis* L. (Fam. Fabaceae) with bioprotective potential on crops. Book of abstracts of Trends in Natural Products Research, Young Scientists Meeting, June 23-25 2014, Olomouc, Czech Republic, published by Phytochemical Society of Europe, Palacky University Olomouc, Centre of the Region Hana for Biotechnological and Agricultural Research, ISBN-13 978-0-9565472-5-5, p. 45-46, P-33.

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9. CRETU RUXANDRA, IONESCU ELENA, MITROI GABRIELA, IACOB ELENA, TEBRENCU CARMEN, GIURESCU CATRINEL. 2013. *Extraction Processes To Obtain Some Extracts Enriched In Hypericin From Hypericum Perforatum Species From Natural Populations.* Book of Abstracts: Trend in Natural Products Research – A Young Scientists Meeting of PSE and ÖPhG, 21-25 July 2013, University Centre Obergurgl/Tyrol, Austria, ISBN: 13978-0-9565472-3-1, p. 62. Poster presentation.

10. TEBRENCU CARMEN E., CRETU RUXANDRA, MITROI GABRIELA., IACOB ELENA, CHIRIAC MARIA, GRIGORAS V. 2013. **Phytochemical Screening of *Urtica Dioica* extracts: Preliminary Study For Their Utilization As Anti-Pathogenic Agents.** Book of Abstracts: Trend in Natural Products Research – A Young Scientists Meeting of PSE and ÖPhG, 21-25 July 2013, University Centre Obergurgl/Tyrol, Austria, ISBN: 13978-0-9565472-3-1, p. 76. Poster presentation.

11. MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, GILLE ELVIRA, MIRON ANCA, STANESCU URSULA, CRETU RUXANDRA, IONESCU ELENA, GIURESCU CATRINEL, IACOME- CERNEA DANA. 2008. Studies for the obtaining of *Aralia mandschurica* extracts. Book of Abstracts of 5th Conference on Medicinal and Aromatic Plants of South East European Countries, 2-5 September, 2008, Brno, Czech Republic. Published by Mendel University of Agriculture and Forestry, ISBN: 978-80-375-205-7, p. 145. Poster presentation.

12. MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, MIRON ANCA, STANESCU URSULA, GILLE ELVIRA, CRETU RUXANDRA, IONESCU ELENA, GIURESCU CATRINEL, CIOCLU LUCIA. 2008. Obtaining of phytoproducts for the cardiovascular diseases prophylaxy. Note1. Some investigations of the *Allium ursinum* chemical composition. Book of Abstracts of 5th Conference on Medicinal and Aromatic Plants of South East European Countries, 2-5 September, 2008 Brno, Czech Republic. Published by Mendel University of Agriculture and Forestry, ISBN: 978-80-375-205-7, p. 144. Poster presentation.

13. TEBRENCU CARMEN ELENA, MIHAILESCU ROXANA, CRETU RUXANDRA, IONESCU ELENA, ANTOHE NECULAE, IONESCU VLAD. 2008. The study of the antioxidant activity of some extracts of medicinal plants containing polyphenolcarboxylic compounds. Book of Abstracts of 5th Conference on Medicinal and Aromatic Plants of South East European Countries, 2-5 September, 2008, Brno, Czech Republic. Published by Mendel University of Agriculture and Forestry, ISBN: 978-80-375-205-7, p. 36. Poster presentation.

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15. MIHAILESCU ROXANA, PERTA LACRAMIOARA, PETRUT RUXANDRA, TEBRENCU CARMEN, IONESCU ELENA, GILLE ELVIRA. 2006. Phyto- products with polyphenolic and mucilage compounds to treat affections of the mouth cavity. Note2. Researches to obtain mucoadhesive tablets with vegetal extracts for oral administration. Book of abstracts of the 4th Conference on Medicinal and Aromatic Plants of South- East European Countries, 28-31 May, Iasi, Romania. Alma Mater Publishing House, ISBN: 973-8392-16-90, p. 106. Poster presentation.

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16. IONESCU ELENA, MIHAILESCU ROXANA, PETRUT RUXANDRA, GRIGORAS NADIA, PERTA LACRAMIOARA, CHIRIAC MARIA, MITROI GABRIELA. 2004. Researches on Jerusalem artichoke (*Helianthus tuberosus* L.). Its utilization in phytopharmaceutical products for the treatment of diabetes and associated disturbances. Book of abstracts of the 3rd Conference on Medicinal and Aromatic Plants of South- East European Countries, 5-8 September, Nitra, Slovak Republic. Edited by Slovak University of Agriculture in Nitra, ISBN: 80-8069-396-X, p. 99. Poster presentation.

Papers published *in extenso* in the volumes (CD) of other international scientific manifestations: 2

1. MIHAILESCU ROXANA, IONESCU ELENA, GILLE ELVIRA, PETRUT RUXANDRA, DANILA DOINA, GRIGORAS NADIA, PERTA LACRAMIOARA. 2005. Phyto-products from polyphenolic and mucilage compounds to treat affections of the mouth cavity. Proceedings of the 12th Panhellenic Pharmaceutical Congress, May 14-16, Athena, Hellenic Republic, CD, paper no. PA053. Poster presentation.

2. PETRUT RUXANDRA, MIHAILESCU ROXANA, IONESCU ELENA, GRIGORAS NADIA PERTA, LACRAMIOARA, CHIRIAC MARIA, MITROI GABRIELA. 2005. Researches to obtain some phytotherapeutical products from flavonoidic compounds to treat menopausal osteoporosis. Note1. The quantitative and qualitative analysis of active principles. Proceedings of the 12th Panhellenic Pharmaceutical Congress, May 14-16, Athena, Hellenic Republic, CD, paper no. PA072. Poster presentation.

2. CRETU RUXANDRA, MITROI RODICA GABRIELA, IACOB ELENA, IONESCU ELENA. 2010. *Development and validation of a HPTLC densitometric method for the assay of rutin in *Viola tricoloris* herba.* Abstract Book of 6th Conference on medicinal and Aromatic Plants of Southeast European Countries", 2010, April 18-22, Antalya, Turkey, edited in Pharmacognosy Magazine, April-June, volume 6, issue 22 (Suppl); Medknow Publications and Media Plv.Ltd., Mumbai, India.; ISSN: 0973-1296, included in CAB Abstracts, Chemical Abstracts, CSA Databases, DOAJ, EBSCO Publishing's Electronic Databases, Excerpta Medica/EMBASE, Google Scholar, Hinari, Index COPERNICUS, Indian Science Abstracts, Journal Citation Reports, OpenJGate, Science Citation Index Expanded, Ulrich's International Directory, Web of science, S160.

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Abstracts published in volumes of other national/international scientific meetings: 10

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2. **TEBRENCU CARMEN E., IONESCU ELENA, CRETU RUXANDRA.** 2015. Vegetal extracts with potential use in ecological agriculture. 2015 Spring Scientific Session "Science, knowledge, creativity", 3th Edition, Academy Romanian Scientists – Piatra Neamt Subsidiary, Academy of Agriculture and Forestry Sciences "Gheorghe Ionescu Șişești" Bucharest, Secuieni Agricultural Research Station, 25 March 2015, Secuieni, Romania. Communication.
3. **CRETU RUXANDRA, BARA IULIANA CSILLA, MACAVEI ANTONELA, GHIORGHITA GOGU, MIHAILESCU ROXANA, MITROI GABRIELA.** 2011. Some effects induced by the hydroalcoholic extract of *Trifolium rubri flos* (red clover flowers) on *Triticum aestivum* L. plants. Abstracts of the Scientific Session with International Participation "Diversitate structurala si functionala in organizarea biologica", 7-8 October, Iasi, p.36. Poster presentation.
4. **CRETU RUXANDRA, MACAVEI ANTONELA, BARA IULIANA CSILLA, GHIORGHITA GOGU, VERDES RAMONA, IACOB ELENA, IONESCU ELENA.** 2011. Physiological effects induced by the hydroalcoholic extract of *Viola tricoloris herba* (wild pansy aerial parts) on *Triticum aestivum* L. Abstracts of the Scientific Session with International Participation "Diversitate structurala si functionala in organizarea biologica", 7-8 October, Iasi, p.37. Poster presentation.
5. **CRETU RUXANDRA, MIHAILESCU ROXANA, MITROI GABRIELA, IACOB ELENA, VERDES RAMONA, TEBRENCU CARMEN.** 2011. Phytochemical investigation of *Crataegi folium cum flos* (hawthorn leaves and flowers) and *Hyperici herba* (St John's wort aerial parts) hydroalcoholic extracts. Abstracts of the Scientific Session with International participation "Diversitate structurala si functionala in organizarea biologica", 7-8 October, Iasi, p.37. Poster presentation.
6. **CRETU RUXANDRA, MIHAILESCU ROXANA, PERTA LACRAMIOARA, IONESCU ELENA, MITROI GABRIELA.** 2006. Researches to obtain some phytotherapeutical products with immunomodulatory activity from edible mushrooms. Note1. The quantitative and qualitative analysis of active principles with immunomodulatory activity. Book of Abstract of IV Balkan Botanical Congress, 19-26 June, Sofia, Bulgaria, p. 285. Poster presentation.
7. **CRETU RUXANDRA, PERTA LACRAMIOARA, MIHAILESCU, ROXANA, IONESCU, ELENA, CHIRIAC MARIA.** 2006. Researches to obtain some phytotherapeutical products with antioxidant activity from *Vitis cotex*, *Rosae cortex* and *Hippophae cortex*. Note1. The quantitative and qualitative analysis of active principles with antioxidant activity. Book of Abstract of IV Balkan Botanical Congress, 19-26 June, Sofia, Bulgaria, p. 285. Poster presentation.
8. **MIHAILESCU ROXANA, GILLE ELVIRA, MITROI GABRIELA, DOINA DANILA, IACOB ELENA, CRETU RUXANDRA, IONESCU ELENA.** 2006. Fitopreparate obtinute prin biotehnologii. Abstracts of the BIOTECH Symposium "Rezultatele cercetarilor biotehnologice romanesti in cadrul Planului National de Cercetare Dezvoltare Inovare si perspective in aplicarea lor", 8-10 November, 2006, Piatra Neamt, p. 56-57. PowerPoint presentation.
9. **SPIRIDON IULIANA, CRETU RUXANDRA, TEACA CARMEN- ALICE, BODIRLAU RUXANDA.** 2006. Compusi bioactivi din extracte vegetale cu posibil efect terapeutic. Abstracts of the International Symposium "Prioritatile chimiei pentru o dezvoltare durabila", second edition, 26-27 October, Bucharest, p. 97.
10. **CRETU RUXANDRA, FLORIA FLORIN, GILLE ELVIRA, MIHAILESCU ROXANA.** 2005. Testarea fitobiologica a extractelor de *Medicago sativa* L., *Glycine max* L. si *Trifolium pratense* L. Abstracts of the National Scientific Session „Biologia la inceputul secolului XXI”, 19- 20 November, "Alexandru Ioan Cuza" University of Iasi, Faculty of Biology. Poster presentation.

Comunicari prezentate la manifestari stiintifice nationale: 1

1. **TEBRENCU CARMEN E., IONESCU ELENA, CRETU RUXANDRA.** 2015. Vegetal extracts with potential use in ecological agriculture. 2015 Spring Scientific Session "Science, knowledge, creativity", 3th Edition, Academy Romanian Scientists – Piatra Neamt Subsidiary, Academy of Agriculture and Forestry Sciences "Gheorghe Ionescu Șişești" Bucharest, Secuieni Agricultural Research Station, 25 March 2015, Secuieni, Romania. Communication.

Posters awarded at international conferences (papers published in book of abstracts of some international manifestations): 1

1. **THE TEVA AWARDS – PHYTOCHEMICAL IN MEDICINE AND PHARMACOGNOSY, 27-30 APRIL 2014, PIATRA-NEAMT, ROMANIA, for:**
 - **POSTER 42 - TEBRENCU CARMEN, CRETU RUXANDRA, MITROI GABRIELA, IACOB ELENA, IONESCU ELENA.** 2014. *Extraction of anthraquinone compounds of Rhamnus frangula L. (fam. Rhamnaceae) – preliminary study for their utilization as anti-pathogenic agents,* Book of Abstracts of Phytochemical Society of Europe Meeting, Phytochemicals in Medicine and Pharmacognosy, p. 85.

Participation at international scientific manifestation

- **2004-** The 8th European Congress of Magnesium, Cluj- Napoca, Romania, May 25-28, 16 EMC credits.
- **2005-** The 12th Panhellenic Pharmaceutical Congress, 14-16 May, Athena, Hellenic Republic.
- **2006-** The 4th Conference on Medicinal and Aromatic Plants of South- East European Countries, Iași, Romania, 28 -31 May, 48 EFC credits.
- **2006-** IV Balkan Botanical Congress, 19-26 June, Sofia, Bulgaria.

Participation at national scientific manifestation

- **2003-** The 8th Edition of the National Symposium with international participation, " Medicinal Plants – present and perspectives", Piatra-Neamt, Romania, 28-29 August.
- **2007-** The Xth Edition of the National Symposium with international participation, "Medicinal Plants – present and perspectives", Piatra-Neamt, 6-8 June.
- **2007-** The National Symposium "Medicine from the conception to the utilization", First Edition, 30 May - 1 June, Iași, 48 FC points.

- **2011- The National Symposium** “Medicinal Plants – present and perspectives”, Xth Edition, and the Annual Scientific Session of INCDSB, 8-10 June, Piatra Neamț, 16 EFC credits.

ANNEX 2

CS Dr. CRETU RUXANDRA MIHAELA

Experience in national programs/projects

Project director : 2 projects

RELANSIN 2059/2004 Project: “Phyto-therapeutically product based on flavonoid compounds involved in menopausal osteoporosis treatment”, 2004 – 2006;

AGRAL 211/2003 Project: “Optimization of bio-available nutrients content in *Glycine max* (soybean) by treatment with vegetal fertilizers”, 2003 – 2005.

Project scientific responsible of the partner: 3 projects

CEEX - AGRAL 15/2005 Project: “Characterization of some vegetal and fungal bioactive principles with cytostatic, immunomodulatory, metabolic and neurotropic action and their exploitation in functional food”, 2005 – 2008;

PN II – PARTNERSHIPS IN PRIORITY AREA - 31-061/2007 Project: „ Uncontaminated vegetal extracts used in phyto-therapy, obtained by unconventional technologies”, 2007-2010 ; for the period 2007-2008.

PN II – PARTNERSHIPS IN PRIORITY AREA - 154/2012 Project: “Hybrid materials polymer- porous clay heterostructures type for controlled release of drugs - DELPOCLAY”, 2012 – ongoing; for the period October 2013 – July 2015.

Researcher/specialist: 22 proiecte

RELANSIN 1856/2003 Project: “Gallic acids phyto-complex, raw material for obtaining a medicine to treat paradontosis”, 2003 – 2005;

CEEX - RELANSIN 148/2006 Project: „ Imprinted polymeric structures for molecular recognition of bioactive compounds in phyto-extracts”, 2006-2008;

CALIST 4118/2003: “Measuring performance method and related procedure of residual pesticides in medicinal vegetal products”, 2003 – 2005;

CALIST 5137/2004 Project: “Control method of emulsions physical stability by some rheological properties determination”, 2004 – 2006;

CALIST 5114/2004 Project: “Fast gas chromatographic method for volatile oils measuring”, 2004 – 2006;

AGRAL 241/2003 Project: „ Complex exploitation of regional agro-tourism potential in accordance with sustainable rural development in Moldavia Subcarpathians”, 2003 – 2005;

BIOTECH 3310/ 2003 Project: “Antimicrobial and antiviral bio-products used to treat mouth diseases”, 2003 – 2005;

BIOTECH 4690/ 2004 Project: “Phyto-therapeutically products obtained by vegetal biotechnologies used in some genito-endocrine disorders”, 2004 – 2006;

BIOTECH 4694/ 2004 Project: “A bioactive biocomplex obtaining involved in peripheral circulation stimulation”, 2004 – 2006;

CEEX – BIOTECH 21/2005 Project: “Phyto-products with anti-aging potential obtained by biotechnologies”, 2005- 2008;

CEEX – BIOTECH 77/2006 Project: „ Obtaining of some products with action on neural, immune and cutaneous system by biotechnologies”, 2006-2008;

VIASAN 317/2004 Project: “Action chemical factor- evaluation of peloid mud from Techirghiol in locomotor apparatus- chronic degenerative and inflammatory pathology”, 2004 – 2006;

PN II INOVATION 33/2007 Project: „ Phyto-products involved in counteracting of some metabolic imbalances”, 2007-2009;

PN II – PARTNERSHIPS IN PRIORITY AREA - 61-039/2007 Project: „ Biotechnologies to obtain some vegetal metabolites used in orthomolecular prophylaxis and therapy”, 2007-2010;

PN II – PARTNERSHIPS IN PRIORITY AREA - 51-060/2007 Project: „ Obtaining of some phyto-preparations involved in prevention of some cardiovascular diseases prevention”, 2007-2010;

PN II – PARTNERSHIPS IN PRIORITY AREA - 51-0-55/2007 Project: „ Agro-forest strategies for exploitation and preservation of medicinal plants biodiversity in sustainable rural development – framework on Bistrita Upstream.”, 2007-2010;

PN II – PARTNERSHIPS IN PRIORITY AREA - 114/2012 Project: “Super absorbents biopolymers materials for agriculture uses - SABIOM”, 2012 – ongoing; for the period 2012- July 2015;

PN II – PARTNERSHIPS IN PRIORITY AREA - 117/2012 Project: “Spontaneous flora exploitation nanotechnology to obtain concentrates with high bioactivity hypericin - SPOFLORAHYP”, 2012 – ongoing; for the period 2012 – July 2015;

PN II – PARTNERSHIPS IN PRIORITY AREA - 154/2012 Project: “Hybrid materials polymer- porous clay heterostructures type for controlled release of drugs - DELPOCLAY”, 2012 – ongoing; for the period 2011 – October 2013.

PN II-PT-PCCA-2013-4-0791 - 74/2014 Project: ” Development of a functional model for the sustainable capitalization of the genetic and phytochemical diversity of *Arnica montana* L. Wild/natural population from Romanian Eastern Carpathians - ARMOREC”, 2014 – ongoing; for the period 2014 – July 2015;

PN II-PT-PCCA-2013-4-0361- 145/2014 Project: ”Higher valorization of vegetal by-products and wastes to support sustainable use of natural resources - HIVEGRES”, 2014 – ongoing; for the period 2014 – July 2015;

PN II-PT-PCCA-2013-4-0034 - 202/2014 Project: ”Obtaining new vector types for their phytotherapeutical principles, by means of biotechnological processes and the modeling of the phytotherapeutical principle’s release mechanism - NEWBIOVECT”, 2014 – ongoing; for the period 2014 – July 2015.

Experience in international programmes/projects

Researcher: 1 project

The Romanian - EEA Research Programme 2013 - EEA-JRP-RO-NO-2013-1-032: *"Molecular authentication of complex herbal food supplements for safety and efficacy - PHYTOAUTENT"*, 2014 – ongoing; for the period 2014 – July 2015.

ANEXA 3 National patent applications

Application no A100070/02.02.2005 : "Ecologic fertilizer based on vegetal products mixture". Authors: PETRUȚ RUXANDRA, MIHĂILESCU ROXANA LAURA, IONESCU ELENA, GRIGORAȘ NADIA, PERȚA ELENA LĂCRĂMIOARA

Application no A/00976/29.09.2011: "The economic process in wastewater treatment plants infested with metal ions". Authors: ANTOHE N., IONESCU ELENA, ȚEBRENCU CARMEN E., MIHĂILESCU ROXANA, VERDEȘ RAMONA, GIURESCU CATRINEL, MACAVEI ANTONELA, MIERLICI IONELA, CRETU RUXANDRA

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